

**2. Dr. Sanjay Kumar Rai** of Indus Synchrotrons Utilization Division (ISUD) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Interface Characterization of Multilayer Mirrors", which was supervised by Prof. G. S. Lodha.



**3. Dr. Surjya Prakash Ram** of Laser Physics Application Section (LPAS) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Studies on Generation and Manipulation of Laser Cooled Atoms", which was supervised by Prof. S. R. Mishra.



**4. Dr. C. Kamal** of Indus Synchrotrons Utilization Division (ISUD) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Ab initio Studies on Properties of Nanostructures", which was supervised by Prof. Aparna Chakrabarti.



**5. Dr. Mahesh Kumar Swami** of Laser Biomedical Applications & Instrumentation Division (LBAID) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Optical Polarimetric spectroscopy of biological systems", which was supervised by Prof. P. K. Gupta.



**6. Dr. Nageshwar Singh** of Materials & Advanced Accelerator Sciences Division (MAASD) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Studies on Narrow Bandwidth High Repetition Rate Dye Laser", which was supervised by Prof. S. K. Dixit.



**7. Dr. Amalendu Sharma** of Indus Operations and Accelerator Physics Design Division (IOAPDD) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Optics design and optimization of electron bunch compressor transfer line (with a case study of CTF3 bunch compressor)", which was supervised by Prof. Pitambar Singh.



**8. Dr. Ramakanta Mahakud** of Laser Systems Engineering Section (LSES) was awarded Doctor of Philosophy in Physics on the dissertation, titled "Studies on fabrication of Fiber Bragg Gratings using high repetition rate ultraviolet radiation from frequency converted copper vapour laser", which was supervised by Prof. S. K. Dixit.



**9. Dr. Arpana Parihar** was awarded Doctor of Philosophy in Life Sciences on the dissertation, titled "Studies on the evaluation of photodynamic efficacy of chlorophyll derivatives in cancer cells and animal tumor model", which was supervised by Prof. Alok Dube and Prof. P. K. Gupta.



**10. Dr. Akhilesh Jain** of RF Systems Division (RFS) was awarded Doctor of Philosophy in Engineering Sciences on the dissertation, titled "Investigations on High Power Solid State RF and Microwave Amplifiers for Superconducting Structures", which was supervised by Prof. S. K. Pathak.



#### N.4: Superannuations:

The family of RRCAT wishes happy and healthy post retirement life to its following colleagues.

##### S.1: Smt. Harsha Bansal

Smt. Harsha Bansal, Scientific Assistant (E) retired from service on 31st August 2014. Smt. Bansal joined Laser Biomedical Application & Instrumentation Division on 16th January 1991 and has made valuable contribution to the studies carried out at the Division towards understanding the effects of light on mammalian cells and use of photodynamic treatment for antimicrobial applications. RRCAT family wishes Smt. Bansal and her family a fruitful, happy and fulfilling retired life.



##### S.2: Shri Jai Dev Singh

Shri Jai Dev Singh, Sr. Technician/J, working in Nd:Glass Laser Laboratory, Laser Plasma Division, retired on superannuation on 31st August 2014. He joined BARC on 17th December 1981 and shifted to RRCAT on 1st July 1991. He joined the high power laser activity at RRCAT and contributed to the development of the two beam high power Nd:glass laser system and was a part of the team which received Group Achievement Award for the year 2012 for the development of 40 TW Nd:glass laser system. He was quite popular among the staff members due to his involvement in a number of social activities in the RRCAT colony.





**S.3: Shri Jai Dev Biswas**

Shri Jaidev Biswas, Sr. Technician/H, retired on 31st July 2014 upon attaining superannuation. He was born on 20th July 1954 in Basture district of Madhya Pradesh. He completed his ITI (Machinist) in 1976 from Raipur and joined BARC on 5th October 1983 as Tradesman/A. He was transferred to RRCAT on 4th May 1988. In RRCAT, he was operating grinding machines for machining precision components for accelerator programme. He has significantly contributed in grinding the precision shafts for turbomolecular pumps, developed by PLSCD, RRCAT. We remember his contribution and wish him a healthy retired life.


**S.4: Shri Uma Shankar Prasad**

Shri Uma Shankar Prasad, Sr. Technician/H, CSL, IOAPDD retired on 31st December 2014 on superannuation after 33 years of meritorious service in DAE. Shri Prasad was born on 1st January 1955 in Bihar. He joined BARC in 1981 and was moved to RRCAT in 1991. He has made outstanding contributions that include welding and cladding work for FBTR fuel pin development, welding works of accelerator components and acting as shift supervisor for round the clock shift operation of accelerator machine in Indus Complex. He has also contributed a lot for RRCAT Yoga circle for welfare of the employees and family members. We all remember his contributions and wish him a very healthy post retirement life.


**S.5: Shri R.V. Murhekar**

Shri R.V. Murhekar, Technical Supervisor, 'A', has retired on 31st July 2014 on superannuation. He joined Control System Section - Dhruva Project in BARC in 1982 and was transferred to RRCAT in March 1985 in the Construction Division. He used to handle civil drawings in an excellent manner. His dedication for work, even on the last day of service, was exemplary. We remember his contributions and wish him well for his post retirement life.


**S.6: Shri G.K. Upadhyaya**

Shri. G. K. Upadhyaya, Foreman /D retired on 30th November 2014 upon attaining superannuation. He joined DAE (NAPP, Narora) as Tradesman/D in the year 1976 and was transferred to RRCAT in the year 2003 and served Horticulture



Cell for a period of 11 years. With his back ground of graduation in Biology and working experience, he was entrusted with nursery activity undertaking plant propagation & Vermicomposting a major and important input in Landscaping. Shri Upadhyaya made valuable contribution in development and upkeeping of nursery, meeting plant material needs to commensurate with the ongoing Landscaping activities. We remember his contributions and wish him a healthy retired life.

**S.7: Shri Anokhe Singh**

Shri Anokhe Singh, working in Construction & Service Division /Electrical Engineering Cell retired as Sr. Work Assistant on 31st July 2014 upon superannuation. He was transferred to RRCAT on 19th February 2003 from Narora Atomic Power Station after working there since 1st August 1977. At RRCAT, he was involved in activities pertaining to electrical maintenance in the lab as well as colony area. His devotion to work and helpful nature will be cherished in the memories of all his colleagues for a long time. Our best wishes for his long and happy post retirement life.


**S.8: Shri Chhaganlal K. Chand**

Shri Chhaganlal K. Chand, working in construction & Service Division/Electrical Engineering Cell retired as Sr. Work Assistant on 31st July 2014 upon superannuation. He had joined RRCAT in 1989. He worked in the Guest House till 2003 and subsequently transferred to Construction & Services Division. He worked in the electrical maintenance in the lab as well as colony area. His devotion to work and simplicity have been instrumental in winning him the confidence and goodwill of his superiors. We wish him a long and happy post retirement life.


**S.9: Shri Jiwan Kumar**

Shri Jiwan Kumar (Ex-serviceman) had joined the Raja Ramanna Centre for Advanced Technology as Security Guard on 18th January 1991. After serving this Centre for about 23 years, he retired on 31st December 2014. We remember his contributions and wish him a healthy retired life.

